ETSON SUMMER SCHOOL FUTURE CHALLENGES

// The Summer School is a combination of lectures and interactive elements, such as group work. Apart from imparting knowledge, the objective of the Summer School is to give participants the opportunity to get to know each other and the respective organisations.

The programme of the Summer School has been **devised by members of the Junior Staff Programme (JSP)** of ETSON.

Lecturers will be scientists from ETSON and its Partners.

The event will be held on the premises of GRS, which is located on the campus of Munich Technical University in the vicinity of the research reactors. It is planned to visit the ISAR 2 Reactor as part of the event.

Participation in the Summer School is free; the participants will have to pay for their own travel and accommodation.

Participants should have basic knowledge of reactor physics and technology and should be nominated by their parent institutions. In order to enable participants to work effectively, numbers are limited to around 40.

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Research Institutes Garching (Forschungszentrum Garching)

GRS Garching

Forschungszentrum 85748 Garching b. München

Motorway E 45 (A9):

exit Garching-Nord, direction Garching, look out for sign Forschungsinstitute, then follow sign GRS.

From Munich railway station:

any S-Bahn to Marienplatz, then change to underground U6 for Garching-Forschungszentrum.





ETSON SUMMER SCHOOL FUTURE CHALLENGES

Devised by the Junior Staff Programme (JSP) Members



23 - 27 AUGUST 2010
GARCHING CAMPUS, GERMANY

ETSON SUMMER SCHOOL FUTURE CHALLENGES DEVISED BY THE JSP PROGRAMME MEMBERS HOSTED BY GRS

MONDAY 23 AUGUST PRESENTATION OF THE ETSON - MEMBERS

Chair: Sven Dokter (GRS)

09:00	Welcome, Presentation of ETSON and EUROSAFE Heinz Liemersdorf (GRS)
09:30	Presentation of GRS Hans Steinhauer (GRS)
09:55	Presentation of LEI Tadas Kaliatka (LEI)
	Coffee Break
10:35	Presentation of ÚJV Aleš John (ÚJV)
11:00	Presentation of VTT Seppo Vuori (VTT)
11:25	Presentation of IRSN Jacques Repussard (IRSN)
	Coffee Break
12:05	Presentation of BelV Benoît De Boeck (Bel V)
12:30	Presentation of JNES Mitsuhiro Takanashi (JNES)
	Lunch Break
14:30	Presentation of JSP Sebastian Band (GRS)
14:55	An Introduction to ETSON Safety Assessment Guidelines Pieter De Gelder (Bel V)
	Coffee Break
16:00	EU Directive, CNS Zdeněk Kříž (ÚJV)
17:00	Spin-offs of nuclear safety technology development Reinhold Sunder (ISTec)
18:30	Welcome Dinner with the members of the ETSON - Assembly

TUESDAY 24 AUGUST TOPICS OF CURRENT INTEREST

Chair: Egidijus Urbonavicius (LEI)

3 - 3		
09:00	Power uprate Horst Glaeser (GRS)	
09:30	Lifetime Extension Pierre Briegleb (Bel V)	
10:00	Ageing Management Petr Kadecka (UJV)	
	Coffee Break	
11:15	Working Groups on Lifetime Extension Pierre Briegleb (Bel V) Organisation of the plant visit Dietmar Zingler (GRS)	
	Lunch Break	
14:30	Decommissioning Egidijus Urbonavicius (LEI)	
15:15	Radioactive Waste Disposal in Germany Guido Bracke (GRS)	
	Coffee Break	
16:00	Working Groups on Decommissioning and Waste Disposal Egidijus Urbonavicius (LEI), Guido Bracke (GRS)	

WEDNESDAY 25 AUGUST VISIT ISAR 2 / VISIT LANDSHUT

08:30 Visit ISAR 2 / Visit Landshut

Including presentation by the operator about lifetime extension, ageing management, uprate and a discussion with the operator.



Photo courtesy of Kernkraftwerk Isar

THURSDAY 26 AUGUST NEW REACTORS AND THE HARMONISATION OF SAFETY APPROCHES

Chair: Mansour Aalam (GRS)

09:00	EPR Borislav Dimitrov (IRSN)
09:30	AP1000 Justus Oldenburg (GRS)
10:00	Kirena (BWR / SWR-1000) Marcus Heinrich (GRS)
10:30	"Fast Neutron Sodium Cooled Reactors" as an example of GenIV Rodolphe Le Ruyet (IRSN)
	Coffee Break
11:15	IAEA / WENRA (Harmonization of) Safety Principles for New Reactors Manfred Mertins (GRS)
12:00	Plant Licensing Sebastian Stransky (GRS)
12:30	NPP Belene2 Sebastian Stransky (GRS)
	Lunch Break
14:30	Working Groups on New Reactors Justus Oldenburg, Marcus Heinrich, Sebastian Stransky (GRS)

Guided Visit and Farewell Dinner (Brauerei Aying)

FRIDAY 27 AUGUST CONCLUSION AND FAREWELL

18:30

Chair: Sarah Vandekendelaere (Bel V)

	Mansour Aalam (GRS) Future Collaboration
09:00	Discussion about the plant visit Mansour Aalam (GRS)

Carla Eibl-Schwäger (GRS)

Coffee Break

JS3P Exam / Quiz Sarah Vandekendelaere (Bel V)

Coffee Break

Conclusion Sebastian Band (GRS)

13:30 Lunch Break (ending 14:30)